Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

THADE ABetitude for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Application Number 09/944,472

Filing Date August 30, 2001

First Named Inventor James J. Howarth

Group Art Unit 2815

Examiner Name J. Diaz

Attorney Docket Number 4348US (MUEI-0547.00/US)

Complete if Known

(use as many sheets as necessary)
Sheet 1 of 2

		Document Number	Publication Date	Name of Patentee or Applicant of	Pages, Columns, Lines, Where Relevant
Examiner Initials *	Cite No.'	Number - Kind Code ² (if known)	MM-DD-YYYY	Cited Document	Passages or Relevant Figures Appear
2		US-6,297,960	10/02/01	Moden et al.	
		US-			-
		US-			
		US-			
	·	US-			
		US-		1	
		US-			
	1	US-	<i>Y</i>		
		US-			
	1	US-			
		US-		<u> </u>	
	1	US-			
	1	US-			

-		FOREIGN P	ATENT DOCU	MENTS		
Examiner	Cite Foreign Patent Document			Name of Patentee or	Pages, Columns, Lines,	
Initials*	No.	Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	T⁵
	 		+			
		+/				
				_		

Examiner Signature Date Considered 3 / 11/04		 		
	Signature	Considered	3	111/04

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ³ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Approved for use through 10/31/2002. OMB 0651-0031

2269-4348US (MUEI-0547.00/US)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449A/PTO 09/944,472 Application Number INFORMATION DISCLOSURE August 30, 2001 Filing Date STATEMENT BY APPLICANT James J. Howarth First Named Inventor 2815 Group Art Unit J. Diaz (use as many sheets as necessary) Examiner Name

Attorney Docket Number

Sheet

4

	ĺ	Document Number	Publication Date	Name of Patentee or Applicant of	Pages, Columns, Lines, Where Relevant
Examiner Initials	Cite No.	Number - Kind Code ² (if Inown)	MM-DD-YYYY	Cited Document	Pessages or Refevent Figures Appear
9	1	US-5,797,177	08/25/1998	Simmons et al.	
(1) 		US- 6,028,350	02/22/2000	Sabycying	
(1) (1)		US- 6,389,688 B1	05/21/2002	Srivastava et al.	<u> </u>
<i></i>		US-			
		US-			
		US-			
	1	US-			
		US-			
		US-			•
		US-			
		US-		1	
	1	US-			
	T	US-			
		US-			
		US-			
	1	US-	<i>-</i>		
	1	US-			
		US-			
	1	US-			··
		US-			

1	vant Passages or Tigures Appear T ⁶
	ŀ

Examiner Signature	Date Considered	3/11/04	

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO , NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 'Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

(2-92)7 2003 8 Sheet 1 of 1 Forms TO-1449 Application Number Docket Number (Optional) 4348US (MUEI-0547.00/US) 09/944,472 INFORMATION DISCLOSURE CITATION Applicant Jam s J. H warth IN AN APPLICATION (Use several sheets if necessary) Filing Date August 30, 2001 Group Art Unit 2815 **U.S. PATENT DOCUMENTS** FILING DATE IF APPROPRIATE DOCUMENT NUMBER EXAMINER INITIAL CLASS SUBCLASS DATE NAME 09/1992 Brooks et al. 5,150,194 0 07/1994 Djennas et al. 5,327,008 11/1995 Lee et al. 5,468,991 0) 03/1998 Sato et al. 5,728,601 Johnson 5,861,654 01/1999 03/2001 King et al. 6,198,172 B1 Grande et al. 06/2001 6,242,817 B1 6,420,195 07/2002 King et al. Corisis 02/2003 6,518,098 Irie 6.548.827 B2 04/2003 FOREIGN PATENT DOCUMENTS Translation DOCUMENT NUMBER CLASS SUBCLASS COUNTRY DATE YES OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) DATE CONSIDERED **EXAMINER** EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Approved for use through 10/31/2002, OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

bstitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known 09/944,472 Application Number Filing Date August 30, 2001 James J. Howarth First Named Inventor 2815 Group Art Unit J. Diaz Examiner Name 4348US (MUEI-0547.00/US) Attorney Docket Number

(use as many sheets as necessary)

of 1 Sheet

Examiner	Cite	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant
Initials *	No.1	Number - Kind Code ² (/f known)	MM-DD-YYYY	Cited Document	Passages or Relevant Figures Appear
1		US-4,095,253	06/13/1978	Yoshimura et al.	
7		US- 4,689,875	09/01/1987	Solstad	
7		US- 4,961,107	10/02/1990	Geist et al.	
9	1	US- 4,967,262	10/30/1990	Farnsworth	
Ĵ	1	US- 5,349,235	09/20/1994	Lee et al.	
7	1	US- 5,352,851	10/04/1994	Wallace et al.	
2	1	US- 5,413,970	05/09/1995	Russell	
n	1	US- 5,555,488	09/10/1996	McLellan et al.	
9	ĺ	US- 5,773,321	06/30/1998	Ishikawa et al.	
<i>у</i>		US- 5,861,669	01/19/1999	Sono et al.	
		US-			1
		US-			
	T	US-			1300
		US-			rT oc
		US-			
		US-		·	iΑ
		US-			21.03 1L F
		US-			
		US-			O.
	T	US-			

Examiner	Cite	Foreign Patent Document	J	MENTS Name of Patentee or	Pages, Columns, Lines,	
Initials*	No.1	Country Code ³ - Number ⁴ - Kind Code ³ (if Intown)	Publication Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear	· Té
		 	1			
		 				_

Examiner Signature	Date Considered	3/11/04	

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <u>www.uspto.gov</u> or MPEP 901.04. that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.